



VIVIAN HU—THE TECH

A few test fireworks light up the sky during the July 4 fireworks on the Charles River.

Student Life Dean announces plans to retire after 7 years

Will aid with transition once appointment is made

By Katherine Nazemi
NEWS EDITOR

Chris Colombo will retire from his position as Dean for Student Life after seven years at MIT and 40 years of service at various universities. He will continue to serve as dean until a successor is appointed.

Chancellor Cynthia Barnhart PhD '88 announced Dean Colombo's retirement in an email on Monday.

Dean Colombo leads MIT's Division of Student Life, which oversees the offices of Residential Life, Student Development and Support, Religious Life, as well as the Department of Athletics, Physical Education and Recreation. He also serves as Housemaster of Next House with his wife, Bette.



COURTESY OF THE DIVISION OF STUDENT LIFE

Student funding to be halved in UA debt 'crisis'

Review Committee to probe crisis causes

By William Navarre and
Katherine Nazemi
NEWS EDITORS

The Undergraduate Association has "run through its money" and has gone into debt. In the coming year, it will be forced to reduce its budget — much of which currently funds student groups — by approximately half.

UA President Matthew J. Davis '16 broke the news to the undergraduate student body in a June 24 email, revealing that the UA has spent through its reserves and will end the fiscal year with a liability of \$52,255.22 on its Umbrella account.

After collecting its annual \$315,000 allowance in July, the or-

ganization will be able to pay off its debt and budget about \$263,000 for the upcoming academic year. Approximately one third of the UA's revenue comes from funds raised through the MIT Student Life Fee; most of the remainder is provided by the Institute.

Davis wrote that the \$263,000 available to the UA this year will be "\$4000 less than our total budget for just the Fall semester last year."

Student group funding awarded through the UA Finance Board will likely decrease by at least half during what Davis is calling a "crisis."

Davis declined to comment on whether student groups will see

UA Debt, Page 5

"We are grateful to them both for making a difference in the lives of so many students," President L. Rafael Reif said.

While serving as Dean of Student Life, Colombo led several major policy changes, including instituting a new dining plan, leading the initiative to place area directors in all dorms, implementing new security policies, and reopening Maseeh Hall.

Many of these policy changes were unpopular among pockets of the undergraduate community, many of whom felt that key decisions were made without their input, or that the new policies were inconsistent with their vision of MIT culture. Students on

Colombo, Page 2

Committee favors partial divestment

Supports creating 'Climate Institute'

By Katherine Nazemi
NEWS EDITOR

presents the findings of the Climate Change Conversation Committee.

The suggestions include establishing a climate-related General Institute Requirement, setting internal carbon pricing, and holding informational seminars with members of Congress. Committee leadership will turn these findings into a set of specific and targeted recommendations to deliver to President L. Rafael Reif.

Given the grave threat climate change poses, the report states, "even exceptional measures should not be eschewed."

Divestment

One of the most prominent voices throughout the campus-

Climate, Page 5

Fall housing to debut gender-inclusive opt-in

Dorms implement change individually

By Alexandra Delmore
ASSOCIATE NEWS EDITOR

Beginning this fall, all undergraduate and graduate dormitories will offer gender-inclusive housing.

This means that "people are not limited to have to share a room with someone of a specific gender identity," Senior Associate Dean of Residential Life and Dining Henry J. Humphreys said in an interview with *The Tech*.

Students, including incoming freshmen, will be permitted to opt in to gender-inclusive housing; students will not be assigned to gender-inclusive rooms without their consent.

The MIT Residential life and

Dining website defines gender-inclusive housing as "a policy that provides MIT students with the option to live in residences with whomever they choose, regardless of biological sex, gender, or gender identity." This definition leaves the details about implementation up to individual dorms.

"Freshmen requesting GIH will be contacted by Housing to discuss specifically what rooming situation they prefer," Maseeh president Sydney E. Hodges '16 wrote in an email to *The Tech*. "Upperclassmen and Spring [in-house] lotteries [at Maseeh] will be run the same as always — just with the option to room

GIH, Page 2

IN SHORT

MIT insurance waivers are available online between now and September 15.

Free yoga classes are available in 56-162 from 6 to 7:15 p.m. each Monday through Aug. 31. Bring your own yoga mat!

Free self-defense courses are available every Monday and Wednesday from 7 to 9 p.m. in DuPont Wrestling Room in W32.

The graduate housing waitlist is open for Fall 2015.

MIT web certificates expire on July 31 and will need to be renewed.

Send news information and tips to news@tech.mit.edu.

CRUFT'S POEM ON BEXLEY

Hear about when The Infinite was lined with labs, not administration!

CAMPUS LIFE, p. 4

SATURDAY STUMPER

You have plenty of time since all your friends are in California. **FUN, p. 3**

SUDOKU AND TECHDOKU

Because your crossword dictionary is in your term dorm. **FUN, p. 3**



A REVIEW WRITTEN UNDER DURESS

Terminator gets one star. Make your friends read about it under duress.

ARTS, p. 11

YOU PROBABLY SAW IT ALREADY

Inside Out was good. Go see it.

ARTS, p. 9

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OBITUARY

Prof. Mujid Kazimi dies at 67

Kazimi was a professor of Nuclear Engineering

By David L. Chandler
MIT NEWS OFFICE

Mujid S. Kazimi, the TEPCO Professor of Nuclear Engineering and one of the world's foremost educators and researchers in nuclear technology, died suddenly on Wednesday in China.

Kazimi, who was 67, suffered a heart attack while visiting Harbin Engineering University to participate in an international advisory committee. He held faculty appointments in MIT's Departments of Nuclear Science and Engineering (NSE) and Department of Mechanical Engineering, and was director of both MIT's Center for Advanced Nuclear Energy Systems and the Kuwait-MIT Center for Natural Resources and the Environment. He served as NSE's department head from 1989 to 1997.

Current NSE department head Richard Lester shared the news of Kazimi's death in an email to the department's faculty on Wednesday, describing it as "a devastating blow."

"The international community knew Mujid as one of the world's great nuclear engineers," Lester told MIT News. "In NSE, we also knew him as a wonderful human being. Wise, kind, tough when he needed to be, but always gracious and respectful toward his students and his colleagues — he was a true gentleman, and he was a good man. His dedication and loyalty to his students, and to the department, were inspirational. It is a huge loss for our department, and for our field. But his colleagues in NSE are grateful for the privilege of knowing and serving with him."

Kazimi was born in Jerusalem

in 1947, and later moved with his family to Amman, Jordan. He earned his bachelor's degree in nuclear engineering from Alexandria University in Egypt in 1969, then came to MIT, where he earned an SM in 1971 and a PhD in 1973. Before joining the MIT faculty in 1976, Kazimi worked briefly at Westinghouse Electric Corp. and Brookhaven National Laboratory.

Kazimi was an expert in the design and analysis of nuclear power plants and the nuclear fuel cycle. He supervised 45 PhD theses and 80 master's theses at MIT; Lester notes that many of his students have gone on to faculty positions at universities worldwide, or to leadership positions in the nuclear energy field.

Kazimi was dedicated to the advancement of the profession, and advised governments, universities, and research institutions on the development of nuclear energy. He authored over 200 scientific papers, and co-authored, with Neil Todreas, a two-volume textbook, "Nuclear Systems."

Lester says that Kazimi's contributions to the field included "numerous technological advances that promise to enhance the safety and economics of nuclear power plants." Among his most important contributions are the development of annular fuel with internal and external cooling, offering the potential for dramatic reductions in the fuel operating temperature, thereby reducing the thermal energy stored in the fuel.

Kazimi also made "a number of influential contributions to the development of technological strategies for the nuclear fuel cycle," Lester says. "His research

involves the following:

with another student regardless of biological sex, gender, or gender identity."

This will be East Campus's second year with gender-inclusive housing. Last year's incoming freshmen at East Campus were asked to fill out a questionnaire to indicate their interest in gender-inclusive housing. EC room assignment chair Sonja Postak '16 said that future surveys will include an option "please place me in a GIH room," in addition to last year's options of "I am not interested in GIH" and "I would be interested in a GIH room but do not require it."

According to minutes from a Random Hall house meeting, students there will only be able to take advantage of gender-inclusive housing by using 'pull-ins.' Under the new system, students will be permitted to invite any other resident — regardless of gender — to be their roommate if they are assigned to (or choose) an otherwise-empty double.

The movement for gender-inclusive housing began in spring 2013. Cory Hernandez '14 and a group of interested students pointed out to Dormcon and MIT Residential Life and Dining that MIT was lacking gender-inclusive

policies. Many other schools, including all Ivy Leagues, already had such policies at the time.

One of the main obstacles that Hernandez faced while advocating for gender-inclusive housing was establishing a communal understanding of what the policy would entail. In order for gender-inclusive housing to be implemented, a committee consisting of the Housing Strategy Group, representatives from Dormcon, all of the housemasters, and Chancellor Barnhart had to agree on the policy. Humphreys sought "complete buy in from the committee," and therefore needed to "be able to clearly and simply explain gender-inclusive housing."

Articulating the policy unambiguously was a time-consuming component of the process, which was one factor in causing the delay in the policies originally intended to go into effect for spring 2014.

When Hernandez graduated in 2014, the process was not yet finished. Matthew J. Davis '16 and Phoebe Whitwell '15, who were the Dormcon housing chairs at the time, then became the leaders of the initiative.

Determining how to make the new option available to incoming freshmen had been a sticking point in recent months.

Some schools, such as Brown,

generated fundamental insights into the range of options for fuel-recycling technologies, enabling the sustainable development of nuclear energy along economically competitive paths that will take advantage of the abundance of natural uranium." Kazimi co-chaired, with Ernest Moniz — the former MIT physicist who is now the U.S. Secretary of Energy — an influential, and widely read, interdisciplinary study on the future of the nuclear fuel cycle.

Kazimi received many honors for his work. He was a member of the National Academy of Engineering, a fellow of the American Nuclear Society and the International Nuclear Energy Academy, and recipient of the Kuwait Prize in Applied Sciences in 2011.

Kazimi served on many boards, including the board of trustees of Al-Quds University in Jerusalem, a committee on the rejuvenation of scientific research in Kuwait, and the international advisory board on nuclear energy for the United Arab Emirates. He was a member of the Nuclear Energy Advisory Committee of the U.S. Department of Energy, and at the time of his death was chairing its subcommittee on nuclear reactor technology.

Lester described Kazimi as "one of the world's most distinguished educators and researchers in the field of nuclear technology. His outstanding scientific and engineering achievements are recognized around the world."

Kazimi is survived by his wife of 41 years, Nazik Denny, by three children — daughter Yasmine and sons Marwan (a 1996 MIT alumnus) and Omar — and by three grandchildren.

Dean set to retire in a year

Search comm. will seek input

Colombo, from Page 1

ec-discuss welcomed the news on Monday with an email thread whose subject included the phrase "everyone be happy."

Search Committee

In her email to the MIT community, Chancellor Barnhart announced that she would form a committee to begin the search for Dean Colombo's successor.

"The committee will have undergraduate representation," she wrote in an email to *The Tech*. It "will actively seek student input on what's working well and what needs improvement and change."

"We are hopeful that his successor will be appointed sometime before the end of the 2015-2016 academic year," Barnhart wrote. "Should a new dean be named before June 30, Dean Colombo will help me to ensure a smooth transition."

Barnhart encouraged students and community members to send comments or suggestions to the MIT mailing list studentlife-search.

UA President Matthew J. Davis '16 circulated a form which community members could fill, detailing qualities they hope to see in a new Dean. The UA, in collaboration with Dormcon, Panhel, and the IFC will use the responses to draft a statement to present to Chancellor Barnhart in a meeting early next week.

Opposite-sex roommates permitted

Unambiguously articulating new policy presented a major hurdle

GIH, from Page 1

with another student regardless of biological sex, gender, or gender identity."

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According to minutes from a Random Hall house meeting, students there will only be able to take advantage of gender-inclusive housing by using 'pull-ins.' Under the new system, students will be permitted to invite any other resident — regardless of gender — to be their roommate if they are assigned to (or choose) an otherwise-empty double.

The movement for gender-inclusive housing began in spring 2013. Cory Hernandez '14 and a group of interested students pointed out to Dormcon and MIT Residential Life and Dining that MIT was lacking gender-inclusive

Columbia, and Princeton, do not allow first-year students to live in gender-inclusive rooms. Others, such as Cornell, Dartmouth, Harvard, and now MIT, do have a procedure for including first-year students.

Students in the class of 2018 were given space on the first-year housing application to indicate that they were interested in gender-inclusive housing. The form provided MIT's definition of gender-inclusive housing, as previously quoted, and a statement informing them that MIT discourages romantic couples from sharing a room. The form does not, however, require students to provide a reason for requesting gender-inclusive housing. They were then asked to answer the question "are you interested in gender-inclusive housing?"

Housing will contact first-year students who answered "yes" to confirm that they are still interested in gender-inclusive housing. Housing will then give the names of all interested students to the rooming chairs in each dormitory. The rooming chair will use the list to assign freshmen to their temporary rooms.

While MIT's policy explicitly discourages romantic couples from using the policy, Humphreys said enforcing this suggestion as

a rule would be too invasive and it is likely that communities will self-regulate. "There is no way to absolutely prove it" Humphreys said; "the policy discourages it and actually the communities are the ones that hold each other accountable."

MIT Residential Life and Dining also collaborated with other schools, such as Harvard, Stanford, and Duke, while crafting the gender-inclusive housing policy.

A module on gender-inclusive housing will be incorporated into training for GRTs and RLADs this year. MIT Residential Life and Dining is also working with rooming chairs from each dormitory. According to Humphreys, it's important that everyone involved in housing "understands the issues that surround it and can support members of the community."

"I think the very deliberate and careful process that all of these groups went through combined was the best way to approach it," Matthew D. Bauer, director of communications for the Division of Student Life, said in an interview with *The Tech*. "People who were involved in this process were really committed."

"I can tell anyone with absolute confidence that we are an open and welcoming environment," Humphreys added.

TO REACH US

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Sudoku I

Solution, page 4

A partially filled 9x9 Sudoku grid. The visible numbers are:

		4		1		8	6	
					5		7	
			4	8		1		2
7					6			8
4	8						3	9
6			8					7
2		7		3	8			
	6		2					
	4	3		7		5		

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Sudoku II

Solution, page 4

A partially filled 9x9 Sudoku grid. The visible numbers are:

	2	4					9	8
5	8			9			6	2
	9				1			5
			1		5			3
				2				
4			8		9			
9			6			5		
3	7			1			2	9
8	4					6	3	

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Saturday Stumper

Solution, page 4

ACROSS

- 1 Broadcast
- 6 Dr. Oz Show creator
- 11 Some Global Studies specialists
- 14 Informed
- 15 Item in a collection
- 16 What many keep money in
- 17 Debt settler
- 19 Alphabetic trio
- 20 Feature of many miniseries
- 21 It's usually the same day as Chinese New Year
- 22 Top-five baby girl's name since 2006
- 23 Charlie Bucket creator
- 24 UN roster name, 1971-97
- 26 Smart TV displays
- 29 Neverpedia calls him "oddly genial"
- 31 Equivalent of "general" or "prince"
- 32 Common people
- 34 Certain Arab League observer
- 36 Bombastic
- 40 It powered the earliest

- 41 cylinder phonographs
- 41 Gives grounds for
- 43 Fill up
- 44 Fine wood for woodwinds
- 45 Layer of the largest eggs relative to body size
- 47 Colorado's Battlement and Log Hill
- 51 Not at all engaged
- 53 Only commonly ingested rock
- 55 Nontraditional, for short
- 56 Org. that sponsors the National Money Show
- 57 Inconsiderable?
- 61 Easter precursor
- 62 Waves everyone away
- 63 Major macromolecule
- 64 Suitable for grinding
- 65 Animated
- 66 Determine definitely
- 67 Supplement

- 3 Arm-to-collar sleeve
- 4 Presidential administrations,
e.g.
- 5 It runs along the outsole
edge
- 6 Some PBS programs with
subtitles
- 7 Reality-check request
- 8 Star Trek situation
- 9 Just swell
- 10 Its first fleet was Model Ts
- 11 Inopportune
- 12 Road descriptor
- 13 California wine
- 18 Nickname of Thomas
Lincoln III
- 25 Puncture with spikes, as
soil
- 27 Arbitration official
- 28 Form of carbon
- 30 Country name derived
from a Gaelic goddess
- 33 Mass quantity
- 35 Cooperate
- 36 College crowd-pleasers
- 37 Confrontational
- 38 Genesis 8 setting
- 39 What TV Guide called the

Document

DOWN
1 Koran salutation
2 Floral complement on each
side of an Oreo

Techdoku I

Solution, page 4

10+			240x	
30x		6		4-
	15x			72x
	15+			
30x			12x	4
	2-			5

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

Techdoku II

Solution, page 4

		10+	
3	75x		12+
5	1		10+
6x	12x		3+
	288x		15x
4÷			5

Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

A crossword puzzle grid with numbered entries. The grid consists of a 15x15 grid of squares. Some squares are blacked out, forming a pattern of blacked-out areas. The numbered entries are as follows:

- 1: 2, 3, 4, 5, [blacked out], 6, 7, 8, 9, 10, [blacked out], 11, 12, 13
- 14: [blacked out], [blacked out], 15, [blacked out], [blacked out], [blacked out], 16, [blacked out]
- 17: [blacked out], [blacked out], [blacked out], 18, [blacked out], [blacked out], [blacked out], 19, [blacked out]
- 20: [blacked out], [blacked out], [blacked out], [blacked out], [blacked out], [blacked out], 21, [blacked out]
- 22: [blacked out], [blacked out], 23, [blacked out], [blacked out], 24, 25, [blacked out]
- 26: [blacked out], 27, 28, [blacked out], 29, [blacked out], 30, [blacked out], 31, [blacked out]
- 32: [blacked out], 33, [blacked out], 34, [blacked out], 35, [blacked out]
- 36: 37, 38, [blacked out], [blacked out], 39, [blacked out], 40, [blacked out]
- 41: [blacked out], [blacked out], [blacked out], 42, [blacked out], 43, [blacked out], [blacked out]
- 44: [blacked out], [blacked out], 45, [blacked out], [blacked out], 46, [blacked out], 47, [blacked out], 48, 49, 50
- 51: [blacked out], [blacked out], 52, [blacked out], 53, [blacked out], 54, [blacked out], 55, [blacked out]
- 56: [blacked out], [blacked out], 57, 58, [blacked out], [blacked out], 59, 60, [blacked out]
- 61: [blacked out], [blacked out], 62, [blacked out], [blacked out], [blacked out], [blacked out]
- 63: [blacked out], [blacked out], 64, [blacked out], [blacked out], 65, [blacked out]
- 66: [blacked out], [blacked out], 67, [blacked out], [blacked out], [blacked out], 68, [blacked out]

- all-time best series
- 42 Tries to smack
- 46 #2 name on the acti
career base-hit list
- 48 Heineken promotion
pieces
- 49 Bogart's Oscar role

- 50 Immerses thoroughly
- 52 Sermon material
- 54 Pig tail
- 58 Rations, for example
- 59 Outlandish
- 60 How Octavius said
"others"

POEM

Elegy for Bexley Hall

'we know this is difficult and regret putting this on you during finals'

By Chris Sarabalis

"no more can you teach stone to swim
can you teach a lawful man to breathe"
she kicked the gate and black paint flaked off
revealing a deeply burnt-in rust

the sun wove threads of light through a dogwood tree i
loved
it was the spirit of that great brick hall we shared, our home.

she kicked off more paint and scratched at the rust with
her fingernail
"no," i said, i scribbled out another line for a problem set.
i sat at the picnic table in the courtyard, looking up at her
scratching the massive iron gate
which separated us from mass ave and the pedestrian zoo
which framed us

"we're a concrete, you're mixed and cast, and the only
way to change shape is to crumble."
she lit a cigarette and sat down on a nearby bench, opening
her laptop
to turn on buttock, a forbidden speaker concealed in an AC
unit
through which we blasted punk and classic rock and the calls
of mating whales
either for our enjoyment or simply to harass anyone tight
enough to be harassed

i looked up at her, and back down.
i was stuck and so i pulled out another sheet to work in an
other direction.
she took a long drag and exhaled a giant plume of acrid
smoke up into the branches of the dogwood.
fall is the only nice chunk of the school year.

the dogwood sang on soft boston nights
sang pure notes to a quiet courtyard
i some nights, in spite of work, took a bench and listened

i crumbled. not often, but sometimes i crumbled
"when's it due?"
"five."
she took another puff and switched from music to porn

scaring off a tourist who stepped into the courtyard to photo-
graph us.
i scratched away, the problem admitting to a new approach.

once a year we plastered the walls of MIT with rude posters
advertising our yearly hellbent drug-fueled bash, beast roast,
accruing absurd fines we never payed.
from the top the fingers would point, down and down
until they fell upon our brave, grey housemaster,
as we had no government
no head to blame we kept them
and always skirted the axe
which kept us sharp

others crumbled too and when they did,
when they cracked and shifted under the weight
under the stress of time and genuine scrutiny
and changed shape, violently
there were always members to support them
always many hands to pull them into form

in our time bexley marked a century
it saw world wars. it saw great fights for liberty.
it housed a drug factory. it was source and sink.
it nurtured ideas that shook people, and shook them hard,
unpopular ideas, ideas that were as needed as feared.

i heard a story from professor sussman about the proliferation of administration at mit.
once upon a time, all the administrivial tasks that glued
together the institute were carried out by faculty, who didn't
want to do those tasks.
the infinite, the main and very long corridor at tech, was
packed with labs
except for one office in which the only non-faculty administrator worked,
the dean of student life, an apparently traditionally obnoxious asshole.
one lab remains on the infinite, amongst a den of deans and
coordinators and secretaries,
one lab with glass walls and stacks of oscilloscopes that are
always glowing spectacularly
and never measuring anything worth measuring

she went upstairs, leaving on buttock a recitation of

ginsberg's america
as i wrapped up my solution and finished off a mug of cold tea.

cracks in the facade let rainwater seep through bexley's
double ply brick shell
eroding the mortar, compromising her structure
leaving no sign of distress on the inner walls, those blooming
with paintings and graffiti, the colors of so many unhindered
expressions
a salad of fuck you's, irony, cocks, and masterworks.
the iron members of her windows turned to rust
straining the walls, shattering brick, leaving spiderweb cracks
of relief

"a full repair, including an ADA-compliant elevator and
restructured wheelchair-accessible rooms
would cost as much as a complete teardown and build.
we have to consider the best investment for mit.
we know this is difficult and regret putting this on you during
finals.

we welcome your representatives to help us come to a decision
on the future of the space." - dean of student life
four empty meetings. no conversation. no exchange.
rust jacking, estimation, incognito, i jerk off,
liability, legalese, lyme disease, pset golf,
corporation, annihilation, public image, menstruation,
title nine, mental health, mickey mouse a tv station,
dime a dozen, bloody cousins, hot potato, toaster oven.

IHTFP, the kids say, and they scratch out their eyes
to make new ports for caffeine intake
and they go and go and they go
for science, knowledge, for truth
the golden fruit and great gift of mind
the driver of hand, and the soul dies
and the mind and the hand are lost, drowned, trampled, shot
in a great and furious rush, with marvelous expediency.

the dogwood flowered early but bore no seed.
then she was razed.

we were stones that swam.

Chris Sarabalis '14, who lived in Bexley from 2010 until its
closing, originally published this poem to Facebook on July 3.

WEATHER

Things are heating up in the Boston area

By Vince Agard

STAFF METEOROLOGIST

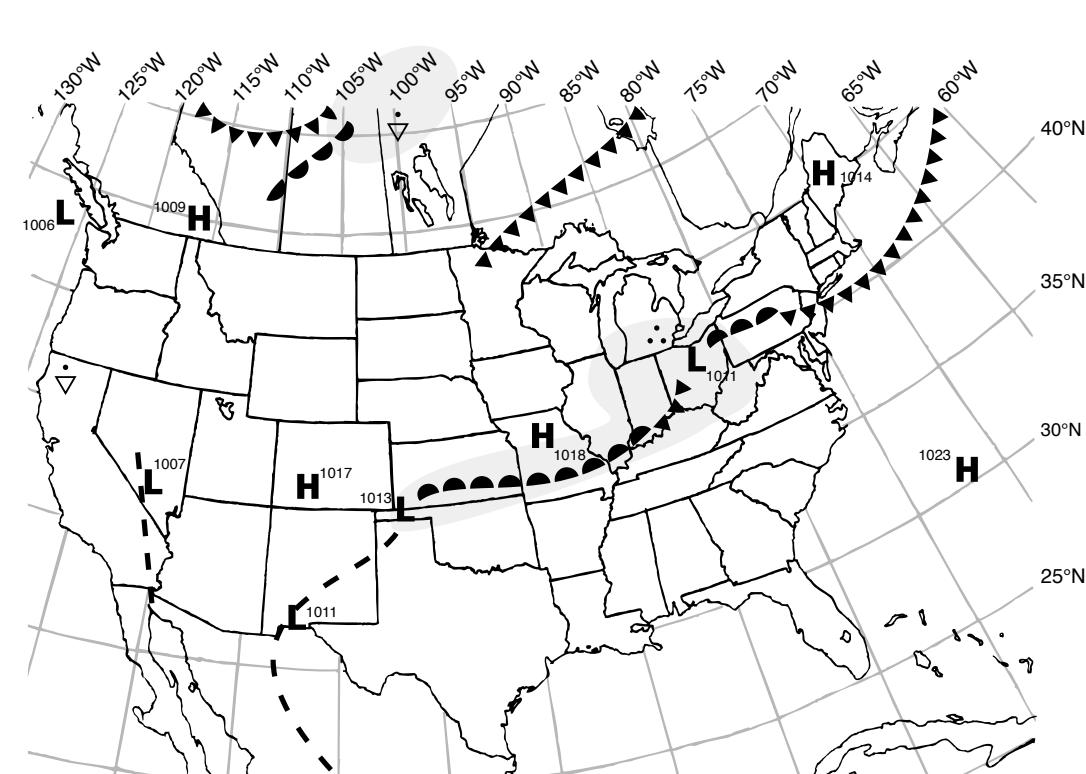
With a high temperature of 88°F (31°C), yesterday was tied for the second-warmest day of the year so far, according to National Weather Service observations taken at Logan Airport. Interestingly, 2015's hottest day so far was nearly two months ago on May 10, when the temperature reached 89°F. Since then, Boston has recorded a high of 88°F on four separate occasions, but the city has yet to reach the 90°F mark. Although 90°F is an arbitrary threshold, this statistic is a bit unusual: on average, Boston experiences 12.9 days per year with a high temperature of 90°F or higher, 3.2 of which nor-

mally occur before July 1st. The lack of 90-degree temperatures so far means 2015 will have at least the 6th-latest occurrence of 90°F in Boston's recorded history.

After the passage of a cold front through eastern Massachusetts yesterday evening, today's temperatures will be much cooler, with clouds and onshore winds keeping temperatures in the mid-70s °F. However, a return to the 80s °F can be expected tomorrow as sunshine returns and winds shift to flow from the northwest. The next chance to challenge the 90°F mark will come at the beginning of next week before the next frontal passage brings showers and cooler air once again.

Extended Forecast

Today: Mostly cloudy with a slight chance of showers, high 75°F (24°C). Winds E at 5-10 mph.
Tonight: Mostly cloudy, low 62°F (17°C). Winds E at 5-10 mph.
Tomorrow: Sunny, high 84°F (29°C). Winds NW at 5-10 mph.
Saturday: Sunny, highs in the mid-80s °F (30°C).
Sunday: Partly cloudy with a slight chance of showers, highs in the upper 80s °F (31°C).



Solution to Sudoku I

from page 3

3	9	4	7	1	2	8	6	5
1	2	8	9	6	5	3	7	4
5	7	6	4	8	3	1	9	2
7	5	9	3	2	6	4	1	8
4	8	2	1	5	7	6	3	9
6	3	1	8	9	4	2	5	7
2	1	7	5	3	8	9	4	6
9	6	5	2	4	1	7	8	3
8	4	3	6	7	9	5	2	1

Solution to Sudoku II

from page 3

7	2	4	3	5	6	1	9	8
5	8	1	4	9	7	3	6	2
6	3	9	2	8	1	7	4	5
2	6	7	1	4	5	9	8	3
1	9	8	7	2	3	4	5	6
4	5	3	8	6	9	2	1	7
9	1	2	6	3	8	5	7	4
3	7	6	5	1	4	8	2	9
8	4	5	9	7	2	6	3	1

Solution to Techdoku I

from page 3

4	3	1	5	6	2			
3	2	6	4	5	1			
2	1	5	3	4	6			
5	4	2	6	1	3			
6	5	3	1	2	4			
1	6	4	2	3	5			

Solution to Techdoku II

from page 3

2	5	4	6	1	3			
3	6	5	1	2	4			
5	2	1	3	4	6			
1	4	3	5	6	2			
6	3	2	4	5	1			
4	1	6	2	3	5			

Solution to Crossword

from page 3

S	T	R	E	W	O	P	R	A	H	M	S
A	W	R	E	P	I	C	I	R	A		
L	E	G	A	T	T	E	D	S	T	U	
A	L	S	T	A	R	C	A	T	T	E	
A	V	A	D	A	L	Z	A	I	R	E	
M	E	N	U	S	M	E	E	I	R		
M	O	B	E	R	I	T	R	E	A		
P	O	M	P	O	S	T	R	E	D		
E	N	T	I	T	L	E	A	T			
P	E	A	R	K	I	W	I	M	E	S	
B	O	R	E	N	A	C	L	A	T		
A	N	A	O	F	T	H	E	T	A		
N	O	R	G	O	E	S	I	A	L		

Dorm demolition to take 2 months

Park set to replace Bexley will be completed by October 2015

By Sanjana Srivastava
and Ray Wang
ASSOCIATE NEWS EDITORS

Demolition of condemned undergraduate dorm Bexley began on June 29; a temporary park is set to be built in its place by October.

According to an email from an MIT Department of Facilities representative, the site team will dismantle Bexley over a period of two months, after which construction of the park will begin.

Bexley Hall, which once housed 116 undergraduates, was closed in June 2013 after severe water infiltration and structural damage were found. The administrative decision to demolish the structure was hardly unanimous: it involved students who said they were misled regarding the likelihood of Bexley being razed instead of fixed.

Approval for demolition was needed from the Building and Executive committees of the MIT Corporation, as well as the Cambridge Historical Commission.

The Institute had determined that repairing Bexley



Demolition of former dormitory Bexley Hall began this week.

ROBERT RUSCH—THE TECH

would cost as much as building a replacement and The Cambridge Historical Commission decided that Bexley would "not [be] preferably preserved," according to the *Cambridge Day*. The Commission gave MIT permission

to demolish the building in January 2015.

Several unique elements of Bexley have been preserved after residents insisted. The park will also reuse salvaged materials from Bexley Hall. Despite discussion

last year to preserve the stone archway in front of Bexley, it will be transformed into a bench.

A rain garden and a student and faculty exhibit space will also open on the site as additions to the park.

Committee seeks more suggestions

Will deliver action plan this fall

Climate, from Page 1

wide conversation was that of Fossil Free MIT, a student group advocating for the divestment of MIT's endowment from the fossil fuel industry. Over the course of the nine months, FFMIT circulated a petition which garnered over 3,400 signatures out of the 26,000 MIT community members. Geoffrey Supran, President of FFMIT, was a member of the committee that penned the report.

After consideration, the committee rejected "a blanket divestment from all fossil fuel companies."

"Divestment will likely lead to the loss of engagement with divested companies, including potentially the loss of research funding," the report read.

Even so, a majority of the committee supported targeted divestment from companies who extract "the fossil fuels that are least compatible with mitigating climate change, for example, coal and tar sands."

Climate Institute

One of the central ideas that emerged from the report was the creation of a Climate Institute at MIT, which would be a "flagship and organizational framework for MIT's efforts in confronting the climate challenge."

The report recommended the Climate Institute be endowed with between 100-200 million dollars, to "provide fellowship funding for students and postdocs, endowed faculty chairs, and seed grants for research and ignition projects."

The report also suggested instituting a multi-million-dollar prize to encourage "broader and higher-risk/higher-return research" into climate change.

A Climate Change GIR

To incorporate teaching on climate science into the undergraduate curriculum, the report proposed the introduction of a GIR on climate change, and the proliferation of classes relating to climate change across all departments.

"A GIR on climate change might take the form of a multi-disciplinary course involving various topics such as geoscience, engineering, science and technology policy, economics, international relations, and life sciences," the report said.

The report also suggested the creation of a new minor in Environment and Sustainability.

Community Comments

A 30-day community comment period followed the release of the committee's findings. The Committee Leadership — consisting of Provost Marty Schmidt, MITEI Director Bob Armstrong, Environmental Solutions Initiative Director Susan Solomon and Vice President of Research Maria T. Zuber — will incorporate suggestions and create a set of recommendations to deliver to President Reif in the fall.

Until July 15, community members are encouraged to share suggestions and responses to the report with climateconversation@mit.edu.

Nobles named dean of SHASS

Poli-Sci prof researched race

By Katherine Nazemi
NEWS EDITOR

Melissa Nobles is the new dean of MIT's School of Humanities, Arts, and Social Sciences (SHASS), effective July 1.

Nobles has been a member of the MIT faculty since 1995 and has served as head of MIT's political science department since 2015.

"Professor Nobles offers us a vision of the humanities, arts, and social sciences as the human stage on which our scientific and technical solutions have purpose and meaning," President L. Rafael Reif said. "We are fortunate that she will bring to the deanship such an expansive worldview."

As a professor of political science, Nobles researched questions of racial and ethnic politics and retrospective justice; as head of the Political Science Department she supported the development of MIT Gov/Lab, a research group focusing on citizen engagement and government accountability.

"I think SHASS is so important because nearly all the rest of the endeavors at which the Institute so excels — science, engineering, business, and architecture — all exist within a social, political, cultural, and economic context, and that's precisely where SHASS lives," Nobles told MIT News.

Nobles succeeds Deborah Fitzgerald, who served as dean since 2006. SHASS consists of 11 departments, including Literature; Economics; History; Political Science; Philosophy; Linguistics; Anthropology; Comparative Media Studies/Writing; Global Studies and Languages; Science, Technology, and Society; and Music.

Andrea Campbell succeeds Nobles as head of the Political Science Department.

UA overestimated fall account balance

'Overallocation percentage' for student group spending was too low

UA Debt, from Page 1

across-the-board funding cuts or if Finboard will prioritize certain student groups or expense types in the fall. "I believe it will be best to wait for the appropriate communications to happen," he wrote in an email to *The Tech*.

Summer allocations for student group spending have been capped at \$308 per group, according to an email from UA Finboard chair Jitesh Maiyuran '18. With 107 student groups applying for summer funding, this comes to a total of around \$33,000, down from the \$66,708 originally planned for.

It remains uncertain what changes will be made to Finboard's allocation procedures beginning next semester.

"We no longer have a surplus or reserve to draw upon this year, and it will have to be built back up over the next few years," Davis wrote in his email to undergraduates. "Even if we used our entire budget to fund our student groups, we would only be able to give them just over half of what they spent last year."

Independent Review Committee

Davis created an Independent Review Committee on Financial Affairs to "investigate what happened, how the UA manages its money, and make recommendations for changes" in a final report. UA Vice President Sophia Liu '17 will chair the committee, which will be composed of two faculty members, two staff members, as well as two students not otherwise involved with the UA.

As chair, Liu will not hold a vote, nor will she be permitted to "make recommendations for the committee in relation to its purpose."

"This committee shall have access to all records of the UA. All members of the UA must fully comply with a request for information from this committee," Davis wrote in the committee proposal.

Members of the committee will be chosen by Davis "in collaboration with interested members of Council." The proposal originally specified that Davis would select members "in consultation" with interested Councilors; the wording was later changed at the request of Council members.

The committee's work will be kept under strict secrecy: Davis's proposal stipulates that "No person or organi-

zation may request or be provided information from this committee, unless the committee as a whole decides that it is necessary to carry out its duties."

The proposed membership will also be kept secret until approved by the UA Council.

Budgeting Mistakes

Davis acknowledged that this crisis was likely brought on by poor management of UA resources.

"It is no secret that the UA has utilized terrible budgeting and monetary practices for the past few years," he wrote in his email to the UA Council.

Emphasizing the need to correct these errors, he wrote that "this is the first year that we are following the budget creation process outlined in the Constitution."

As for what happened last year: Council had expected that the UA would start with about \$393,000 in the Umbrella account and \$85,000 in the Reserve account.

In fact, they had overestimated the amount in the Umbrella account by more than \$300,000. The account began with just \$84,000.

"We do not yet know the answer as to why this was the case," Davis wrote of the overestimate.

The UA had planned to draw a total of \$206,370.92 from its accounts last year. Based on the flawed estimates, this would have left them with positive accounts at the end of the year.

Ryan McDermott '15, UA Treasurer for the 2015-2016 academic year, declined to comment on potential causes of the overestimated account balance. "I wish to provide any and all information possible" to the Independent Review Committee, he said in an email to *The Tech*.

Finboard Overallocation

Finboard budgeted \$351,785.24 for student groups last year. Expecting that groups would spend about half of what they were awarded, they allocated \$688,362.47 — an amount in excess of the UA's account balance by any estimate.

The rationale behind over-allocating is that it allows Finboard to approve more funding requests; rather than deny groups funding, they assume that groups will spend less than they are allotted.

This "over-allocation percentage" of 48.8% proved to be too low: student

groups ended up spending 61.2% of their allocated funds, or \$69,336.76 more than was budgeted.

"The difference between the estimated money available and the actual money available, the actual spending of the UA, and the actual spending of the student groups, versus our budgeted numbers, led to our deficit of -\$52,255.22," Davis wrote, referring to the debt.

Moving Forward

Anticipating that financial difficulties were on the horizon for the UA, and responding to student concerns brought up after it was revealed that President Shruti Sharma '15 had funded a Lil B lecture without the UA Council's approval, Davis campaigned on improving financial practices at the UA.

In the wake of this crisis, Davis has asked Reddy to revise Finboard allocations which were originally to be announced on June 22.

"It is my present belief that many of these problems arose, because there were not enough critical eyes asking tough questions of the Principal Officers at the time," Davis wrote.

After Davis began his term early following Sharma's resignation late last semester, he reinstated the Resource Development and Alumni Affairs committees. He hopes that the Resource Development committee will "find new funding that will boost our income in the Spring, while rebuilding our reserves, so that we contain most of the hardship for students to the Fall semester." The Alumni Affairs committee will work on building long-term relationships with alumni.

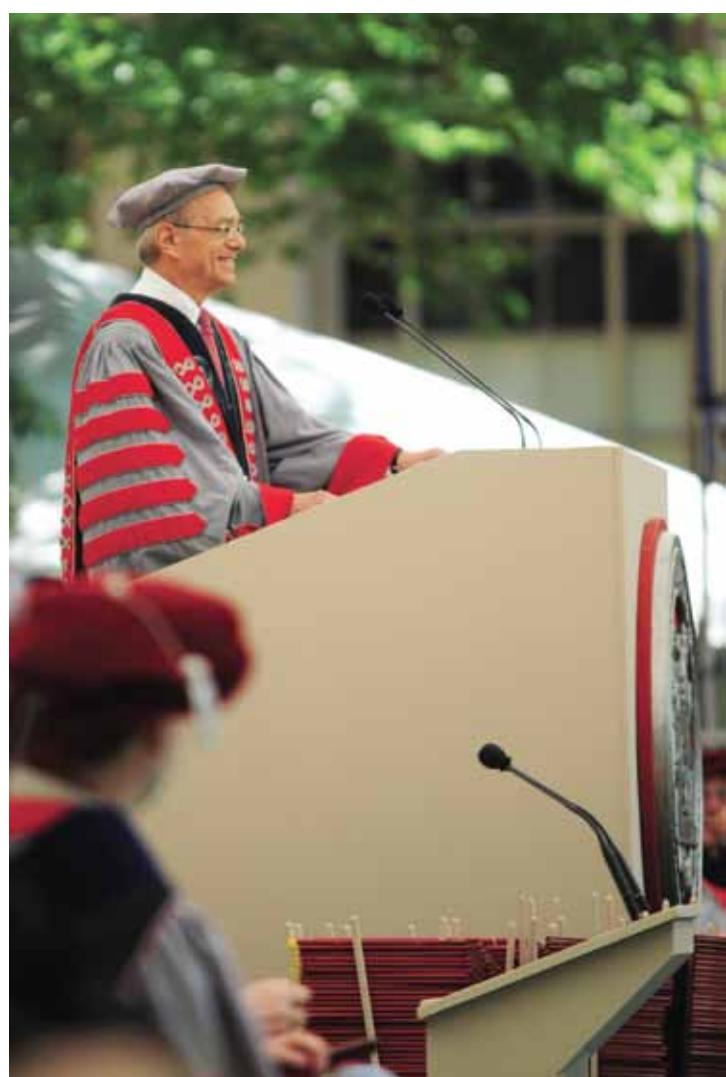
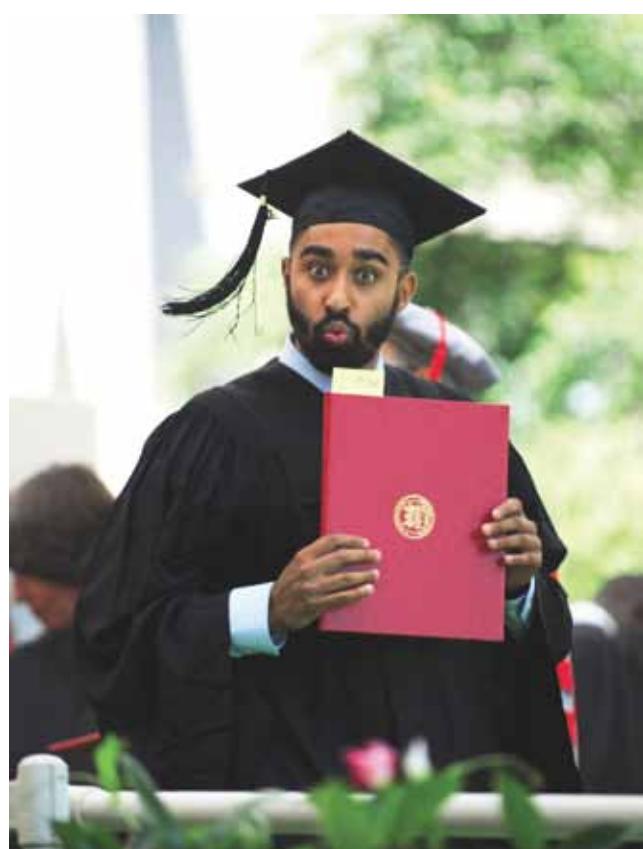
At the last UA Council meeting, Davis had also finalized members for a Special Budgetary Committee to "produce a better, more accurate budget for the Fall Semester."

"It has also been our intention to establish a joint Council-Exec Committee on Government Accountability, so that there are more Councillors that have full access to the operational information of the UA, such as our funds," Davis wrote. "Having these additional people checking and ensuring that officers and committee chairs are both properly performing their duties, as well as making sure the information they convey is accurate, will make it difficult for future governments to misrepresent, either intentionally or mistakenly, information."

MIT Commencement 2015

DANIEL MIRNY—THE TECH
The 2015 MIT Commencement Exercises welcomed speaker and alumnus Megan Smith SM '88, Chief Technology Officer of the United States, encouraged graduates to place heart alongside 'mind and hand.' President L. Rafael Reif also congratulated graduates, but not before humorously conducting a "Welcoming Ceremony" after a "four-year postponement."





MOVIE REVIEW

Inside Out is so much more than just a kids movie

Pixar's newest film brings 'that little voice in my head' to a whole new level



DISNEY PIXAR

Pixar illustrates the emotions Sadness, Fear, Anger, Disgust, and Joy in Inside Out

By Ka-Yen Yau
STAFF WRITER

As far back as I can remember, Pixar films have been a part of my childhood. I grew up watching *Toy Story*, *Monsters Inc.*, *Finding Nemo*, etc. — films that fueled my imagination, filled me with wonder, and most importantly, kept me amused. I loved these films as a child, and it is safe to say that this love has never diminished. Unlike many other childhood favorites that I now dismiss as being simpleminded, vapid, or even wholly unenjoyable, I still cherish Pixar's entire repertoire because they create visually beautiful, heartfelt, and timeless movies.

Inside Out is no exception.

The film follows Riley Anderson (Kaitlyn Dias), an eleven year old girl, as she and her

family uproot their lives to move from their home in Minnesota to San Francisco. Many stories use this setup, of course, but what makes this film stand out is that we follow this narrative and Riley's resulting emotional turmoil mostly from the inner workings of her mind.

Vocalizing Riley's consciousness are five characters who determine her thoughts, actions, and personality: Joy (Amy Poehler), Sadness (Phyllis Smith), Fear (Bill Hader), Anger (Lewis Black), and Disgust (Mindy Kaling). These five quasi-human characters are sparkly embodiments of their self-explanatory names, and they are just a small part of the extensive new universe Pixar created to cohesively and compellingly try to explain the complex workings of our consciousness. This universe is full of whimsical representations and explanations of the

mental processes that we are so familiar with — how our personality is developed or why some of our memories fade but we never forget that silly jingle we heard once in a commercial. From little glowing orbs that represent our memories to a literal train of thought, the film explores many different functions of the mind. Although humorous and obviously untrue, these explanations are charming and somehow still make a lot of sense.

Through the changes that happen within this film's universe, Pixar illustrates what it means to grow up and to mature. Over the course of the film, many of the mental characteristics of being a carefree child (i.e. imaginary friends, unconditional honesty, goofiness) are either dramatically altered or lost completely. Riley's emotional growth is further reflected by the simultaneous mat-

★★★★★

Inside Out

Directed by Pete Docter

Starring Amy Poehler, Phyllis Smith, Bill Hader, Lewis Black, and Mindy Kaling

Rated PG

Now Playing

uration of Joy and Sadness, who start out believing that they are polar opposites, but slowly begin to understand and appreciate each other. The two realize that happiness and sadness are, in fact, intertwined, and as a result, Riley's memories and traits transform from being one-dimensional (purely happy or sad) to more complex (bittersweet and nostalgic).

Through it's a fairly simple story, the film raises many complex and vital life-lessons that serve both as new information to the younger members of the audience and as a reminder to the rest of us. We are reminded that even though it may seem easier to pretend that everything is all right, it is important to feel and express our sadness because suppressing it can be dangerous. We are also reminded to embrace and appreciate each other's differences.

But most importantly, no matter how far removed you feel from your oh-so-wonderful preteen years, you will still know precisely how Riley feels. *Inside Out* perfectly captures and personifies something we have all experienced and will continue to experience: the emotional and mental turmoil that precedes self-growth. Thus, Pixar shows us once again that animated films are not always just for children. In fact, as I noticed the tears rolling down my face (which says a lot because movies rarely make me cry), I would argue that they can be even better and more meaningful to us as adults.

MOVIE REVIEW

The Wolfpack: A chilling documentary that raises many questions, and even more concerns

Crystal Moselle's debut documentary explores the power of movies

By Karleigh Moore
ARTS EDITOR

Oscar and Susanne Angulo were terrified of living in New York City — terrified of the government, and terrified that their children wouldn't learn to think for themselves and would be bullied into using drugs. Oscar forbade his children to leave the apartment or to have contact with anyone outside of their immediate family.

He believed that employment would make him a slave, so the household's only income was what Susanne received from the government for teaching her homeschooled children. Oscar imposed strict rules on the family's life in isolation, going so far as to specify which rooms of the house the kids could occupy at any given time. In one particularly heart-breaking scene, Susanne hints that the rules were even more oppressive for her (if one can imagine such a thing), and the children reveal that their mother had suffered violent abuse at the hands of her husband. Perhaps the only thing the kids liked about their dad was that he brought thousands and thousands of movies into the home for them to watch and memorize (some of their favorites include *Reservoir Dogs*, *Pulp Fiction*, and *The Dark Knight*).

I'll admit, I love movies. I'm always up for a classic film, an unconventional indie production, or even the cheesiest of special-effects-bloated popcorn movies. That said, I would go crazy if movies were the only thing I had to occupy my time. The Angulo chil-

dren were film aficionados like no others. They spent their days and nights consuming movies, drawing movie posters, and meticulously copying down lines from their favorites so they could construct scripts to act out with the many (convincing) props they created. Movies and their mother were among the few things these kids had to help them stay sane.

The Wolfpack is mesmerizing but not because it has stunning cinematography or dazzling effects: the footage is grainy, resembling home movies. Moselle's camera is surprisingly non-judgmental, especially considering that the film's subject matter screams "child abuse" and "domestic violence." Nevertheless, I couldn't look away, and each cut felt like a cliffhanger, leaving me with questions that I had faith the filmmaker would answer (or at the very least, acknowledge). However, the documentary leaves many questions unanswered, and I couldn't help but wonder why this family would volunteer to put their life on display considering the legal and moral questions the film was bound to raise. In a press release, Moselle claims that she never felt the need to intervene, and that she sincerely believed that the children were well cared for. Perhaps the idea that all is well in the Angulo household is more clear to her than to the average viewer — she did spend years with the family — but a little on-camera reassurance (perhaps by a lawyer) would've made me feel slightly less uneasy.

Regardless, this documentary is fascinat-



COURTESY OF MAGNOLIA PICTURES
Narayana Angulo, Govinda Angulo, Jagadisa Angulo, Bhagavan Angulo, Mukunda Angulo and Krsna Angulo in *The Wolfpack*, a Magnolia Pictures release.

★★★★★

The Wolfpack

Directed by Crystal Moselle

Rated R

Now Playing

Men's crew races at Royal Henley Regatta

MIT represented for the first time in 6 years in world-renowned regatta

By Souparno Ghosh
SPORTS EDITOR

MIT Men's Lightweight Crew recently competed at the internationally-renowned Royal Henley Regatta in England. The regatta, which dates back to 1839, plays host to participants from across the globe, including Olympic champions. This was the first time in six years that a team from MIT's rowing program was represented at this prestigious event.

An MIT team comprising Berk Ozturk '16, Jesus Mathus '17, Jeremy Stroming '18, David Danko '15, and coxswain Yooni Kim '16 competed at the Prince Albert Challenge Cup. They were pitted against a team from Newcastle and needed a qualifying rank in the top 12 out of 38 teams in order

to compete in the next round. Despite fighting off a strong headwind and keeping Newcastle at bay, MIT ended just seven seconds short of the qualifying mark.

MIT also competed in the Temple Challenge Cup (8 rowers and a coxswain) where they battled the Princeton 3V heavyweight team. The Engineers had their best race performance of the season but were outpaced by three and a third length by their physically-stronger counterparts.

This was the first time in decades that a lightweight crew had represented MIT at the Henley Royal Regatta and thus, despite the defeat, coxswain Ali Finkelstein '16 observed that "every person stepped out of the boat with a smile on their face and pride in their hearts."

Institute Double Take

An Institute Double Take is a photo taken by a staff photographer which may not fit into a typical newspaper category, but still shows a unique side of MIT and includes a short description of the story behind the photo.



Alexander C. Bost
STAFF PHOTOGRAPHER

While it's not always apparent how much luck plays a role in getting a good shot, this photo should be a clear exception. I've been doing a lot of sailing at the MIT Sailing Pavilion since the beginning of summer and, in an effort to pick up some tips from more experienced

sailors, I rode around on the race committee boat during a Tuesday-night advanced Tech Dinghy race a few weeks back. Figuring I might as well bring a camera along for fun, I grabbed one of *The Tech's* Nikon D800s and a 70-200mm lens.

Weather during most of the race was overcast and gray, and with the pictures turning out fairly flat and unexciting I spent a fair amount of

time on the boat helping out with the racing, adjusting the course, and keeping track of which boat finished in which position.

Late in the evening, despite ominous cloud cover directly overhead, the sun began to illuminate the sky to the west. We were in the middle of making a small change to the starting line when it began pouring. It took me a second to

remember that I had the (weather sealed!) camera and I started snapping shots of boats in the direction of the sunset. I had the f-stop and ISO at f2.8 and 1250 due to the previously lower light conditions so I dropped the exposure time a bit to 1/8000 of a second to rein in the extra light. The quicker shutter speed suspended the raindrops in the radiant sunlight to create a

surreal series of images which, of the roughly 50,000 I've taken since picking up photography last year, are easily some of my favorites.

Aperture:
f/2.8
Exposure Time:
1/8000
Sensitivity:
ISO 1250

Smith's address to graduating class emphasizes the importance of kindness, teamwork, 'heart'

Institute awards 3,400 degrees, Reif reminisces on the class of 2015's canceled convocation

By Katherine Nazemi
NEWS EDITOR

Over 2,700 undergraduate and graduate students received their diplomas at this year's Commencement ceremony on June 5. In all, the Institute awarded over 3,400 degrees.

Among the degrees awarded were 1,099 bachelor's degrees, 1,719 master's degrees, 15 engineer degrees, and 606 doctoral degrees, according to Registrar Mary Callahan. Included in these counts are degrees received in September and February. At the ceremony, a total of 1,054 undergraduates and 1,719 graduate students were awarded diplomas.

Commencement Speaker

Megan Smith '86, Chief Technology Officer of the United States, delivered the Commencement address to the graduating class. In her speech, Smith emphasized the importance of mind, hand, and heart.

"One of the most important things in our school history is something that's not in the motto," Smith said. "It's heart. What I mean by heart—it's not just love and kindness—it's wonder and discovery."

Smith listed four key elements of heart to the assembled crowd.

Beginning with the importance of teamwork, Smith talked about her experience as a member of the MIT team which designed, built,

and raced a solar car 2,000 miles across the Australian desert.

Smith then emphasized the value of kindness both as "a practical point" and as a way to nurture new ideas.

"Kindness is as important as knowledge," Smith said.

Moving on to the importance of openness and inclusivity, Smith reminded the graduates that "not all talent has access."

"For those of you who are underrepresented in technology, know that you've always been here."

Smith cited several women, including computer scientist Grace Hopper and NASA physicist Katherine Johnson, whose scientific contributions are often

overlooked.

Finally, Smith discussed the importance of service, telling graduates to "show up where we're more rare—where the greatest problems live," referring to her own work in Washington.

Charge to the Graduates

Senior Class President Joanne Zhou '15 presented President L. Rafael Reif with the Senior Class Gift. A record 87.44% of the class contributed to the gift.

Reif delivered the traditional charge to the graduates. He pointed to various examples of MIT students "hacking the world," from Smith's pioneering Google Earth to the campaign "Tell Me About Your

Day" launched by Izzy Lloyd '18 and Katie Ward '16.

In 2011, the freshman convocation for the class of 2015 had been canceled due to Hurricane Irene. Reif's canceled convocation speech had contained a quote from an MIT alumnus, which he shared instead at the class's commencement: "MIT left me with the confidence to attempt innovation and the desire to learn."

Prayer Returns

After being expunged from the 2014 Commencement ceremony, religious prayer returned to this year's proceedings. Rabbi Michelle Fisher delivered a blessing from the Jewish tradition.